

SCIENCE 10

MR. BENNETT



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Contact Hours: 7:00am – 4:00pm. School days only

BIG IDEAS

DNA is the basis for the diversity of living things.	Energy change is required as atoms rearrange in chemical processes.	Energy is conserved, and its transformation can affect living things and the environment.	The formation of the universe can be explained by the big bang theory.
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CURRICULAR COMPETENCIES:

*SKILLS THAT WILL BE DEVELOPED THROUGHOUT THE COURSE

- Questioning and Predicting
- Plan and conduct experiments
- Process and analyze data and information
- Evaluate: self, others, data, experiments
- Apply and innovate
- Communicate

Course Topics

Safety (1 week)

- Lab safety, WHMIS

Biology (3 weeks)

- DNA structure and function, mutations
- Natural selection, adaptations
- Genetics, applications of genetic

Chemistry (4-5 weeks)

- Atomic theory, models of the atom, naming compounds, conservation of mass
- Acid and bases and salts, and types of chemical reactions and reaction rate
- Nuclear chemistry

Physics (3 weeks)

- Types of energy, energy transformations
- Conservation of energy
- Thermal equilibrium

Astronomy (3 weeks)

- Formation of the universe

Overall Course Evaluation:

A) General Breakdown of Class Mark (80%)

Tests	15%	**** Marks in this course are CUMULATIVE
Assignments	25%	
Quizzes	15%	
Projects/Labs	25%	



B) Final Assessment 20%

Course Evaluation:

Formative Assessment refers to a **wide variety** of methods that teachers and students use to conduct in-process evaluations of student comprehension, learning needs, and academic progress during a lesson, unit, or course. **Ensures the student is aware of where they are in their learning, how to progress in their learning, so that students are responsible for their learning.**

Examples:

- Self-assessments/
Rubrics
- Feedback on
assignments,
quizzes, or tests
- Analyzing mistakes
on assignments,
quizzes, tests
- Oral or written
feedback
- Labs/Activities

Summative Assessment: used to evaluate student learning, skill acquisition, and academic achievement at the conclusion of a defined instructional period—typically at the end of a project, unit, course, semester, program, or school year.

Examples:

- Tests/ Quizzes
- Assignments
- Labs (or lab tests)
- Projects
- Student
presentations
- Final Exams

'G', 'S' or 'N' work habits:

Work habits will be assessed based on: preparation, attendance, assignment completion, participation in class, tardiness, and conduct in class. "Good", "Satisfactory" or "Needs Improvement" comments will be used.

If your child is **AWAY**, please....

send me an **E-MAIL** ASAP!!, and contact the school so that your child is marked as excused. **(Students are also required to email me asap to avoid falling behind).**



*All lesson materials and all important dates will be posted on **Microsoft Teams**. **Please check this daily**. If students are absent, it is their responsibility to check Microsoft Teams and catch up on any missed work before returning to class. I expect to see students have attempted the missed lesson upon their return.

Test Writing and Handing in Assignments:

It is my belief that the students are not only expected to learn the course content but practice and continue to develop social responsibility as well.

Meeting personal commitments like assignment and test due dates, and completing homework are a few examples of such responsibility. Consequently, students need to understand that if we are to maintain a productive, supportive and respectful learning environment for all students, this environment must be supported by students, teachers and parents alike.

TEST POLICY:

All students are expected to write tests on the scheduled date and time.

In the event of an unanticipated absence, DIRECT communication with the teacher, PRIOR to the test is expected:

via email (bennett_t@surreyschools.ca).

Any scheduled tests that cause a conflict with other appointments, should be rescheduled with the teacher PRIOR TO THE TEST date.

Missed tests and quizzes: Unless a date to write missed tests and quizzes has been agreed upon by myself and the student, students who miss a test will be expected to come in during collab time on Wednesday mornings or afterschool on Wednesday's. The same applies for quizzes. If the absences are **not excused**, students will write the tests/quizzes at the end of the semester during review days.

Classroom Rules and Policies:

1. Students are expected to be respectful to teachers and other peers
2. **Arrive to class on time** - This will be a difficult course to learn if you are away.
3. **Complete all work** – If you don't do the work, you won't become good at it
4. **Hand in all your work on time.** If an assignment has been marked and returned, you have lost the opportunity for those marks.
5. Maintain a minimum **standard of neatness and completeness** – There is a minimum standard for acceptable work.
6. Keep your binders neat and **organized as this will make their learning process easier.**
7. **Practice and study** a little every day.
8. **ASK QUESTIONS AND COME FOR HELP IF YOU NEED IT!** Only YOU are responsible for you, your teacher is there to help you.
9. As per WCB policy - no food or drink is allowed in the science lab. This includes gum.
10. You may only use your cellphone when instructed to do so. All electronics are put away during instructional time. You are responsible for notes and assignments on missed classes.

Parents:

I just wanted to take this opportunity to introduce myself, let you know of the online tools available to the class, and to find out a little more about each student to provide them with the best possible learning experience.

Please do not hesitate to reach me via email if you have any questions/concerns/comments. ***You can find my contact information at the bottom of this page; please detach and keep for your reference.***

Also, I ask that you please fill in a current email address in which I could reach you as this is the fastest way to be in contact with you.

I HAVE READ THE COURSE OUTLINE AND DISCUSSED IT WITH THE STUDENT.

Student's Name: _____

Student's Signature: _____

Parent's Name: _____

PARENT / GUARDIAN SIGNATURE: _____

Parent/Guardian email (optional): _____

Please detach and keep for your reference:

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Teacher: Mr. Bennett

Email: bennett_t@surreyschools.ca